

Product datasheet for **RN206948**

Scg2 (NM_022669) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scg2 (NM_022669) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Scg2
Synonyms:	Chcg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206948 representing NM_022669
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGAATCGAAGGCTTACCGATTTGGAGCAGTTCTGCTTCTTATCCACTTAATTTTCCTTGTCCCTG
 GAACCGAAGCAGCTTCCCTCCAGCGAAACCAGCTGCTTCAGAAAGAACCAGACCTCAGATTGGAGAATGT
 CCAGAAGTTTCTAGTCCAGAAATGATCAGGGCTTTGGAGTACATAGAAAAGCTCAGGCAGCAGGCCAC
 AGAGAAGAAAGCAGCCAGACTACAATCCCTACCAAGGCATCTCTGTTCCCTTCAACTCAAAGAAAACG
 GAGAAGAAAGTCACTTGGCAGAGAGCTCAAGGGATGTCCTGAGTGAAGACGAGTGGATGCGGATAACT
 TGAGGCTTTGAGGCAGGCTGAAAATGAGCCGCCATCTGCCCTCAAGGAGAACAAGCCCTATGCCTTGAAT
 CTGGAGAAGAACTTCCCTGTGGACACGCCTGATGACTATGAGACTCAACAATGGCCTGAGAGGAACTCA
 AGCACATGCGGTTCCCTCTCATGTATGAAGAGAATTCAGGGAAAACCCCTTCAAACGCACAACGAAAT
 AGTAGAAGAACAGTACACACCCAAAGTCTTGCTACCCTGGAGTCTGTGTTCCAAGAGCTTGGGAACTG
 ACAGGGCCAAGCAACCAGAAGCGTGAGAGGGTTGACGAGGAACAGAAGCTCTACACGGACGATGAAGATG
 ACGTGTACAAGACCAACAACATTGCCTATGAAGATGTGGTTCGGGGGAGAAGACTGGAGTCCATGGAGGA
 GAAAATAGAGACTCAAACCCAGGAAGAGGTGAGAGACAGCAAAGAGAACAAGAAAAACGAACAATC
 AATGAAGAGATGAAACGGTCAGGGCACTTGGGGCTCCCAGATGAAGGTAACCGGAAAGAGAGCAAAGACC
 AGCTCTCAGAGGACGCCTCCAAGGTCATCACCTACTTGAGAAGGTTAGTGAATGCTGTGGCAGTGGGAG
 GTCCCAGAGTGGGCAAAACGGGGACAGGGCAGCCAGGCTTCTTGAGAGGCCCTTGATTCTCAGTCTATT
 TATCAGCTGATTGAAATCTCCAGGAATTTGCAGATACCCCTGAAGACTTAATTGAGATGCTCAAAGCTG
 GGGAGAAAACAAATGGGTTGGTGGAGCCGAGCAGGATCTGGAGCTTGTGTTGACCTAGATGACATCCC
 GGAAGCTGACATAGACCGCCAGACATGTTTCAAAGTAAGACGCTCTCCAAGGGTGGGTATCCCAAGGCA
 CCTGGTCGAGGTATGATGGAGGCCTTGCCAGATGGCCTCAGTGTGAAGACATTTTAAATGTTTTAGGGA
 TGGAGAATGTAGCAAATCAGAAGTCCCCATATTTCCCAACCAATACAGCCGAGACAAGGCTCTGCTGAG
 GCTTCTTATGGTCTGGGAAATCTAGAGCCAACCAGATTCCCAAAGTAGCCTGGATCCCAGACGTTGAA
 AGCAGACAAGCCCTATGACAATCTGAATGATAAGGACCAAGAATTGGGAGAGTACTTAGCCAGGATGC
 TAGTTAAGTACCCTGAGCTCATGAATACCAACCAGCTGAAGAGAGTGCCAGCCAGGCTCCTCAGAAGA
 TGACCTCAAGAAGAAGAGCAGCTCGAGCAGGCCATCAAGGAGCATCTGGGTCAAGGAAGCTCCCAGGAA
 ATGGAGAAACTGGCCAAGGTGAGCAAAAGGATCCCTGCAGGATCCCTGAAGAATGAGGATACCCCAATA
 GACAGTACCTGGATGAAGATATGCTCCTGAAAGTGCTAGAGTATCTCAATCAAGAACAGGCAGAGCAGGG
 AAGGGAACATCTTGCCAACGGCCATGAAAAACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022669

Insert Size: 1860 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_022669.1](#), [NP_073160.1](#)

RefSeq Size: 2289 bp

RefSeq ORF: 1860 bp

Locus ID: 24765

UniProt ID: [P10362](#)

Cytogenetics: 9q34

Gene Summary: member of the chromogranin family of proteins that are localized to large dense core vesicles and are endoproteolytically processed to smaller neuropeptides [RGD, Feb 2006]